

FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)	ATT. DOCKET NO. I-2-0103.7US	SERIAL NO. 10/810,007
	APPLICANT Fatih M. Ozluturk	
	FILING DATE March 26, 2004	GROUP 2667

U.S. PATENT DOCUMENTS							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
		3,700,820	10/1972	Blasbalg et al.			
		3,761,610	09/1973	Krallinger et al.			
		4,069,392	01/1978	Goldenberg et al.			
		5,373,502	12/1994	Turban			
	*	5,414,796	05/1995	Jacobs et al. ¹			
		5,442,625	08/1995	Gitlin et al.			
		5,450,395	09/1995	Hostetter et al.			
		5,583,869	12/1996	Grube et al.			
		5,596,570	01/1997	Soliman			
		5,621,723	04/1997	Walton, Jr. et al.			
		5,642,348	06/1997	Barzegar et al.			
		5,671,218	09/1997	I et al.			
		5,734,646	03/1998	I et al.			
		5,752,199	05/1998	Scott			
		5,761,196	06/1998	Ayerst et al. ²			
		5,774,460	06/1998	Schiffel et al			
		5,790,551	08/1998	Chan			
		5,805,585	09/1998	Javitt et al.			
		5,828,662	10/1998	Jalali et al.			
		5,856,971	01/1999	Gitlin et al.			
		5,859,840	01/1999	Tiedemann et al.			
		5,892,774	04/1999	Zehavi et al.			
		5,914,950	06/1999	Tiedemann et al.			

1 Corresponds to CN 1071036

2 Corresponds to CN 1095543

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		5,923,650	07/1999	Chen et al.			
		5,930,230	07/1999	Odenwalder et al.			
		6,005,855	12/1999	Zehavi et al.			
		6,064,678	05/2000	Sindhushayana et al.			
		6,069,883	05/2000	Ejzak et al.			
		6,072,787	06/2000	Hamalainen et al.			
		6,075,792	06/2000	Ozluturk			
		6,081,536	06/2000	Gorsuch et al.			
		6,088,335	07/2000	I et al.			
		6,088,600	07/2000	Rasmussen			
		6,094,428	07/2000	Bruckert et al.			
		6,212,377	04/2001	Dufour et al.			
		6,222,832	04/2001	Proctor			
		6,269,088	07/2001	Masui et al.			
		6,373,830	04/2002	Ozluturk			
		6,377,809	04/2002	Rezaiifar et al.			
		6,389,000	05/2002	Jou			
		6,396,804	05/2002	Odenwalder			
		6,418,148	07/2002	Kumar et al.			
		6,574,211	06/2003	Padovani et al.			
		6,584,114	06/2003	Flake et al.			
		2007/0116209	05/2007	Geile et al.			

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FOREIGN PATENT DOCUMENTS								
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
		0682423	11/1995	EP				
		1019920007375	04/1992	KR ³				
		1019950022342	08/1996	KR			X	
		1019970072741	11/1998	KR			X	
		95/026094	09/1995	WO				
		97/02714	01/1997	WO				
		97/09810	03/1997	WO				
		97/02665	01/1997	WO ⁴				
		H9-83600	03/1997	JP			X**	

3 Corresponds to US 5,212,803
 4 Corresponds to JP 2000-510655

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OTHER DOCUMENTS		
EXAMINER INITIAL		DESCRIPTION (Including Author, Title, Date, Pertinent Pages, Etc.)
		Azad et al., "Multirate Spread Spectrum Direct Sequence CDMA Techniques", IEE Colloquium on Spread Spectrum Techniques for Radio Communication Systems (Digest No. 95), April 27, 1993, April 15, 1994, pp. 4/1-4/05.
		Azad et al., "Multirate Spread Spectrum Direct Sequence CDMA Techniques", The Institution of Electrical Engineers, 1994, 4/1-4/5.
		Budka et al., "Cellular Digital Packet Data Networks", Bell Labs Technical Journal, 1997, pp. 164-181.
		Cellular Digital Packet Data, System Specification, Release 1.1, CDPD Forum, January 19, 1995.
		Data Service Option For Wideband Spread Spectrum Systems, TIA/EIA Interim Standard, TIA/EIA/IS-707, February 1998.
		Data Service Options for Wideband Spread Spectrum Systems: Introduction, PN-3676.1 (Content Revision), TR 45, March 20, 1997.
		Data Standard, Packet Data Section, Proposed PN-3679.5 (to be published as TIA/EIA/IS-DATA.5), Version 02 (Content Revision 03), December 8, 1996.
		Draft Text for "95C" Physical Layer (Revision 4), Part 1, Document #531-981-20814-95C, Part 1 on 3GPP2 website (ftp://ftp.3gpp2.org/TSGC/working/1998/1298_Maui/WG3-TG1/531-98120814-95c,%20part%201.pdf).
		Draft Text for "95C" Physical Layer (Revision 4), Part 2, Document #531-981-20814-95C, part 2 on 3GPP2 website (ftp://ftp.3gpp2.org/TSGC/working/1998/1298_Maui/WG3-TG1/531-98120814-95c,%20part%202.pdf , 1998).
		Ejzak et al., "Lucent Technologies Air Interface Proposal for CDMA High Speed Data Service, Revision 0.1", Telecommunications Industry Association, Subcommittee TR-45.5, Wideband Spread Spectrum Digital Technologies Standards, May 1997.
		Ejzak et al., "Lucent Technologies Air Interface Proposal for CDMA High Speed Data Service," April 14, 1997.
		Hall et al., "Design and Analysis of Turbo Codes on Rayleigh Fading Channels", IEEE Journal on Selected Areas in Communications, Vol. 16, No. 2, February 1998, pp. 160-174.

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EXAMINER INITIAL		DESCRIPTION (Including Author, Title, Date, Pertinent Pages, Etc.)
		High Data Rate (HDR), cdmaOne optimized for high speed, high capacity data, Wireless Infrastructure, Qualcomm, September 1998.
		Hindelang et al., "Using Powerful "Turbo" Codes for 14.4 KBIT/S Data Service in GSM or PCS Systems", IEEE Global Telecommunications Conference, Phoenix, Arizona, November 3-8, Vol. II, pp. 649-653.
		I et al., "Load and Interference Based Demand Assignment (LIDA) for Integrated Services CDMA Wireless Systems", Proc. IEEE GLOBECOM '96, November 1996, pp. 235-241.
		I et al., "Multi-Code CDMA Wireless Personal Communications Networks", 1995 IEEE International Conference on Communications, June 18, 1995, pp. 1060-1064.
		I et al., "Performance of Multi-Code CDMA Wireless Personal Communications Networks", 1995 IEEE 45 th Vehicular Technology Conference, Vol. 2, July 1995, pp. 907-911.
		I et al., "Variable Spreading Gain CDMA with Adaptive Control for True Packet Switching Wireless Network", 1995 IEEE International Conference on Communications, Vol. 2, June 1995, pp. 725-730.
		Kaiser et al., "Multi-Carrier CDMA with Iterative Decoding and Soft-Interference Cancellation", Global Telecommunications Conference, 1997, GLOBECOM97, IEEE, Vol. 1, November 1997, pp. 6-10.
		Knisely, "Lucent Technologies Air Interface Proposal for CDMA High Speed Data Service", Telecommunications Industry Association, Subcommittee TR-45.5 - Wideband Spread Spectrum Digital Technologies Standards, Working Group III - Physical Layer, February 24, 1997.
		Krzymien et al., "Rapid Acquisition Algorithms for Synchronization of Bursty Transmissions in CDMA Microcellular and Personal Wireless Systems", IEEE Journal on Selected Areas in Communications, Vol. 14, Issue 3, April 1996, pp. 570-579.
		Kumar et al., "An Access Scheme For High Speed Packet Data Service on IS-95 Based CDMA", Bell Labs, Lucent Technologies, February 11, 1997.
		Liu et al., "Channel Access and Interference Issues in Multi-Code DS-CDMA Wireless Packet (ATM) Networks", ACM Baltzer Journal on Wireless Networks, 1996, pp. 173-193.
		Lucent Presentation, "Phase 1C Service Definition", April 1997, pp. 1-21.

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		Lucent Presentation, "Phase 1C Service Definition", April 1997, pp. 1-18.
		Lucent Technologies Presentation First Slide Titled, Summary of Multi-Channel Signaling Protocol, April 6, 1997.
		Lucent Technologies Presentation First Slide Titled, Why Support Symmetric HSD (Phase 1C), February 21, 1997.
		Lucent Technologies Presentation, February 21, 1997, pp. 1-24.
		Mobile Station-Base Station Compatibility Standard for Dual-Mode Wideband Spread Spectrum Cellular System, TIA Interim Standard, TIA/EIA/IS-95-A, May 1995.
		Mobile Station-Base Station Compatibility Standard for Wideband Spread Spectrum Cellular Systems, TIA/EIA Standard, TIA/EIA-95-B (Upgrade and Revision of TIA/EIA-95-A), March 1999.
		Packet Data Service Option Standard for Wideband Spread Spectrum Systems, TIA/EIA Interim Standard, TIA/EIA/IS-657, July 1996.
		Performance of High Data Rate (HDR) Solution, Qualcomm, December 1998.
		Reed et al., "Iterative Multiuser Detection for CDMA with FEC: Near-Single-User Performance, IEEE Transactions on Communications," Vol. 46, No. 12, Pages 1693-1699, December 1998.
		Tantivy Communications, Inc.v. Lucent Technologies, Inc., Markman Order, Civil Action No. 2:04-CV-79, August 11, 1995.
		Viterbi "The Path to Next Generation Services with CDMA," Qualcomm Incorporated, 1998 CDMA Americas Congress, Los Angeles, CA, November 19, 1998
		Viterbi, "A Constructive (Backward Compatible) Approach for Migration to Wider Band Wireless Services, Qualcomm Incorporated, 3 rd Generation Wider Band CDMA Technology Conference, Atlanta, Georgia, February 25, 1998.

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EXAMINER INITIAL		DESCRIPTION (Including Author, Title, Date, Pertinent Pages, Etc.)
		Wang et al., "The Performance of Turbo-Codes in Asynchronous DS-CDMA", IEEE, Global Communications Conference, Phoenix, Arizona, USA, November 3-8, 1997, Vol. III, pp. 1548-1551.
		Yang, "Network Wireless Systems Offer Business Unit (NWS OBU) Feature Definition Document for Code Division Multiple Access (CDMA) Packet Mode Data Services", CDMA Packet Mode Data Services, November 26, 1996.

X** Abstract only

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